

Notice of Allowability

Application No.

10/795,856

Examiner

Alvin J. Grant

Applicant(s)

HSIEN, CHIN-CHING

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/20/05.
2. ☒ The allowed claim(s) is/are 5-9.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


DAVID B. THOMAS
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given on page 6 of Applicants Remarks dated 12/20/05.

The application has been amended as follows:

Claims 5-9 have been amended to read as follows:

Claim 5. (Currently Amended) A socket wrench for ratchet wheel sockets, comprising: a handle having a first and a second recess at a first terminal thereof, a first empty space between a pair of first ear portions defining said first recess, each of said first ear portions being provided with an axial hole; a first drive piece for retaining a first ratchet wheel on which a ratchet wheel socket can be mounted, said recess of said handle receiving a pivotal portion of said first drive piece; and a first retaining pin for connecting said handle and said first drive piece by being inserted through said axial holes of said first ear portions and said pivotal portion of said first drive piece; a second empty space between a pair of second ear portions defining said second recess, each of said second ear portions being provided with an axial hole; a second drive piece for retaining a second ratchet wheel on which a ratchet wheel socket can be mounted, said recess of said handle receiving a pivotal portion of said second drive piece; and a second retaining pin for connecting said handle and said second drive piece by being

inserted through said axial holes of said second ear portions and said pivotal portion of said second drive piece; wherein driving axes of the first drive piece and the second drive piece are perpendicular to each other; whereby each said drive piece can be folded about a respective one of said retaining pins to change the angular position of said drive piece with respect to said handle.

Claim 6. (Currently Amended) The socket wrench for ratchet wheel sockets of claim 5 wherein said drive piece has a lock means for switching the rotational direction of said ratchet wheel of said drive piece.

Claim 7. (Currently Amended) The socket wrench for ratchet wheel sockets of claim 5 wherein said retaining pin is provided with a plurality of elongated longitudinal jogs for providing a frictional effect on said drive piece so that a selected angular position can be maintained.

Claim 8. (Currently Amended) The socket wrench for ratchet wheel sockets of claim 5, wherein at least one of the first and second driving pieces is provided with a receptacle hole for retaining one ratchet wheel; the ratchet wheel being a hollow cylinder, an outer wall thereof is provided with a plurality of teeth and an inner wall thereof is provided with a plurality of bulged gripping portions; the gripping portions are divided into an upper half and a lower half by a groove; the groove being housed with an O shaped gripping plate for retaining a socket.

Claim 9. (Currently Amended) The socket wrench for ratchet wheel sockets of claim 8, wherein the drive piece is further provided with a lock means that includes a through hole, being coaxial with the axis of the recess portion, and a locking pin; the

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through hole being formed on the handle side of the receptacle hole, having a central section connected to the receptacle hole; the locking pin being pivotally mounted within the through hole and can slide along the through hole; the locking pin is provided with a recessed central section that fits the circumference of the receptacle hole and has a first teeth row and a second teeth row; the teeth rows being engaged with the teeth on the outer wall of the ratchet wheel; the first teeth row and the second teeth row each restrict the rotation of the ratchet wheel in a predetermined direction.

The following is an examiner's statement of reasons for allowance: The art of record considered as a whole alone or in combination neither anticipates nor renders obvious a socket wrench for ratchet wheel sockets, comprising: a handle having a first and a second recess at a first terminal thereof, a first empty space between a pair of first ear portions defining said first recess, each of said first ear portions being provided with an axial hole; a first drive piece for retaining a first ratchet wheel on which a ratchet wheel socket can be mounted, said recess of said handle receiving a pivotal portion of said first drive piece; and a first retaining pin for connecting said handle and said first drive piece by being inserted through said axial holes of said first ear portions and said pivotal portion of said first drive piece; a second empty space between a pair of second ear portions defining said second recess, each of said second ear portions being provided with an axial hole; a second drive piece for retaining a second ratchet wheel on which a ratchet wheel socket can be mounted, said recess of said handle receiving a pivotal portion of said second drive piece; and a second retaining pin for connecting said handle and said second drive piece by being inserted through said axial holes of

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said second ear portions and said pivotal portion of said second drive piece; wherein driving axes of the first drive piece and the second drive piece are perpendicular to each other; whereby each said drive piece can be folded about a respective one of said retaining pins to change the angular position of said drive piece with respect to said handle.


2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alvin J. Grant whose telephone number is (571) 272-4484. The examiner can normally be reached on Mon-Fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph J. Hail can be reached on (571) 272-4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AJG


DAVID B. THOMAS
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